

METHODS AND SYSTEMS FOR MONITORING MOLECULAR INTERACTIONS

ABSTRACT OF THE DISCLOSURE

The present invention relates to novel methods and systems for determining the interaction of molecules using the phenomena of Taylor-Aris dispersion present in fluid flow in conduits. The method involves relating a change in dispersion of molecules to their level of interaction. The present invention also relates to an assay method using Taylor-Aris dispersion in a microfluidic system in order to examine molecular interactions in a variety of chemical and biochemical systems.